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KOREAN INTELLECTUAL PROPERTY OFFICE

## KOREAN PATENT ABSTRACTS

(11) Publication number: 1020040042727 A  
 (43) Date of publication of application: 20.05.2004

(21) Application number: 1020020071315  
 (22) Date of filing: 15.11.2002

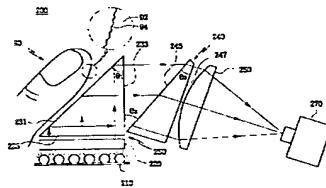
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(51) Int. Cl G06K 9 /00

## (54) DEVICE FOR OPTICALLY INPUTTING FINGERPRINT

## (57) Abstract:

PURPOSE: A device for optically inputting a fingerprint is provided to quickly obtain a distinct fingerprint image by minimizing an image distortion through a dual prism method. CONSTITUTION: A light source(210) illuminates a fingerprint part of the finger(90). A diffusing panel(220) diffuses the light from the light source. The first prism(230) reflects the light diffused/entered from the diffusing panel to a predetermined angle. The second prism(240) compensates the distorted part caused by distortion to an actual shape while reflecting the light reflected from the first prism to the predetermined angle again. A lens(250) forms the fingerprint image contacted to a fingerprint input surface(231) of the first prism. An image detecting camera(270) detects the fingerprint image formed on the lens.



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## Legal Status

Date of request for an examination (20021115)

Notification date of refusal decision (00000000)

Final disposal of an application (rejection)

Date of final disposal of an application (20050708)

Patent registration number ( )

Date of registration (00000000)

Number of opposition against the grant of a patent ( )

Date of opposition against the grant of a patent (00000000)

Number of trial against decision to refuse ( )

Date of requesting trial against decision to refuse ( )

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